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Business Rules for the Permitting Information Data Standard

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CONTENTS

EXECUTIVE SUMMARY

Data Standard:	**Permitting Information**
Description:	The standard provides a comprehensive set of data elements for identification and tracking data that pertains to portions of most programs that have a permitting process or that are interested in permit related information. Note: Based on the Implementation Date, the *Permitting Information Data Standard* will supersede the *EDSC Permitting Data Standard*.
Requirements:	Agency information systems or collection requests that exchange permit information must at a minimum, include a Permit Name or Permit Number/Identifier, Permit Type, Organization Formal Name, and Affiliation Type data elements. This data standard provides a minimum set of data (known as mandatory data in these business rules) to be reported for Permitting Information. This metadata is necessary to provide a minimum acceptable level of documentation and proper identification for data comparison and sharing. The remaining data elements are implemented based on whether their meaning is equivalent to the meaning of data elements in an applicable program system.
Implementation Date:	Applicable Systems: September 30, 2006, or when systems re-engineer, whichever is earlier. New systems should conform during their development process. The standard applies to Agency information systems that exchange data contained in the Permitting Information Data Standard with Agency or with partner systems.
More Information:	Permitting Information Data Standard http://www.epa.gov/edr/fdepermitinfo.pdf Business Rules for the Permitting Information Data Standard http://www.epa.gov/edr/fpermitinfobr.pdf Procedures for Requesting a Data Standard Conformance Waiver http://www.epa.gov/edr/waiverprocess.pdf

BUSINESS RULES FOR THE PERMITTING INFORMATION DATA STANDARD

1. THE STANDARD *This section provides a brief overview of the standard and its purpose.*

a. This standard specifies the key data elements necessary for the consistent and unambiguous identification of information pertaining to permits of interest to the Environmental Protection Agency (EPA) and its information exchange partners. The purpose of the standard is to ensure the uniformity and comparability of information resulting from the identification of permits in the collection, analysis, and exchange of environmental permit data.

b. This standard supersedes the *Permitting Data Standard* based on the implementation date established in these business rules.

c. This data standard provides a minimum set of data to be reported for permitting information. This minimum set of data elements include:

- Permit Name or Permit Number/Identifier;
- Permit Type;
- Organization Formal Name (for the issuing organization name incorporated by reference from the Facility Identification Data Standard); and
- Affiliation Type (for the issuing organization role incorporated by reference from the Facility Identification Data Standard).

d. The standard is not intended to constrain what information an agency chooses to collect, nor does it constitute a new reporting requirement.

e. The standard consists of a list of data elements, definitions, and relationships or linkages with other Agency standards. The standard data elements and example values are presented in Appendix B and are recorded in EPA's Environmental Data Registry (EDR) at http://www.epa.gov/edr/.

2. DEFINITIONS *This section provides terms and definitions used in the standard and the business rules.*

a. The EPA *Environmental Data Registry* (EDR) is the central repository and reference tool for Agency data elements and other objects, such as Agency standards and business rules.

b. The *Environmental Data Standards Council (EDSC)* is a partnership among EPA, States, and Tribal Nations to develop and agree upon data standards for environmental information collection and exchange. The EDSC seeks to promote efficient sharing of environmental information between State, EPA, and Tribal partners providing data standards as a basis for new data exchange and data integration activities.

c. *Information System Managers* are responsible and accountable for management of information systems, both environmental media specific and administrative, which are managed from EPA Headquarters or in offsite locations, i.e., laboratories.

d. The *Permitting Information Data Standard Steward* is the person or organization responsible for monitoring the currency and relevancy of the standard to the Agency.

e. A *Permit* is an authorization, license, or control document used to implement the requirements of a regulation. A permit may be issued to an individual or an organization and typically specifies pollutant limits or operating procedures.

f. *Permitting Information Data Stewards* describe persons or functions at the Program System, Regional, or State levels that ensure the proper application of the standard and identify and communicate issues to the *Permitting Information Data Standard Steward* for action.

3. APPLICABILITY *This section describes to which program systems the standard applies.*

a. The EPA Permitting Information Data Standard applies to all Agency information systems that exchange data contained in the Permitting Data Standard with Agency systems or with partner systems. The standard does not constrain the information an Agency program may choose to collect, nor does it constitute a reporting requirement.

b. This standard does not apply to systems not presently in use (i.e., retired systems) although managers for such systems are encouraged to meet the standard if they believe the information from such systems will be integrated with information from other Agency or partner systems.

c. The data standard applies to any data exchange between nodes on the Exchange Network.

d. EPA encourages State and Tribal partners and stakeholders to adopt this EDSC

data standard. State partners and stakeholders are required to adhere to this standard only when the work plan of the Environmental Performance Partnership Agreement, or the appropriate grant program agreements, includes mechanisms for adopting the standard, such as Trading Partner Agreements. These agreements are typically reached between the Regional offices or the Program offices and the States or stakeholders.

4. DATA REQUIREMENTS

This section of the business rules addresses the optionality of each data element in the data standard. Data elements are identified as mandatory, optional, or conditional. For conditional data elements, the circumstances around the conditions for use of the data elements are made explicit. This section specifies any data model issues, including the relationship of this standard to other standards. See Section 5 - Processing for specific implementation steps.

a. This data standard provides a minimum set of data (mandatory data) to be recorded to provide a minimum acceptable level of documentation for data comparison and sharing. All exchanges of permitting information must include:

- Permit Name or Permit Number/Identifier;
- Permit Type;
- Organization Formal Name (for the issuing organization name incorporated by reference from the Facility Identification Data Standard); and
- Affiliation Type (for the issuing organization role incorporated by reference from the Facility Identification Data Standard).

b. This data standard, and associated business rules are not meant to constrain the scope of information recorded. The standard requires a minimum data set, however additional information can (and in many cases should) be exchanged.

c. Information about analytes should be collected in accordance with the Chemical Identification and Biological Taxonomy data standards.

d. This data standard incorporates the Reporting Water Quality Results for Chemical and Microbiological Analytes Data Standard by reference for chemicals, biological organisms, physical parameters, or other entities. The following items may define the object of the condition: Analyte Name, Analyte Name Context Name, Analyte Identifier/Number, and Analyte Identifier Context Name.

e. Data Element optionality (whether data elements are mandatory, conditionally mandatory, or optional) is described in Appendix A. Standard data elements are described in Appendix B.

5. PROCESSING *This section describes the requirements for how the standard should be implemented within a system. The business rules apply only to EPA systems, not to State or Tribal systems, therefore, the term "exchange" used in context of the business rules can apply only to transfers of information from EPA to its partners or among EPA systems and is not intended to apply to collection of information from States and Tribes (however, it is recognized that programs may need to modify their collection mechanisms to meet the information requirements of a standard). This standard was developed and approved through the Environmental Data Standards Council which consists of EPA, state, and tribal representation. While EPA's partners do not formally adopt the data standards through this process, they are active in the development, review, and approval process. EPA programs can require the use of the standard among exchange partners by entering into agreements with them, including Trading Partner Agreements through the Exchange Network. Because this standard is limited to data exchanges, the business rules do not cover the manner in which data are displayed to system users or the manner in which data are stored/documented in systems.*

a. System managers of applicable information systems must modify data exchange formats to conform with the data standard elements in:
   - Name: Names in the applicable system may be mapped to the standard through clear and unambiguous documentation;
   - Definition: Data element definitions in the applicable system should be similar or the same in meaning, but need not be identical in wording to this data standard; and
   - Format: As shown in the data standard in Appendix B.

b. System managers must ensure that their systems are capable of accepting information that meets the definition and format requirements specified in the standard.

c. System managers are encouraged to adopt the applicable standard names, definitions, and formats in their information system. System managers may, as an alternative, document the mapping of system data elements to the standard names (or appropriate exchange reference), definitions and formats.

d. The Permitting Information Data Standard applies to information exchanges that occur after the implementation date. The standard is not applicable to data collected prior to the implementation due date of the standard, however, to the extent possible, modifications to those data should be made if the data continue to be exchanged.

6. ROLES AND RESPONSIBILITIES *This section describes the roles and responsibilities for standards implementation and maintenance.*

a. The EPA Chief Information Officer (CIO) will:

i. Ensure adherence to these business rules and will be responsible for resolving conflicts and issues relating to these business rules, including applicability of the standard and waiver requests.

ii. Issue waivers from conformance with this standard in accordance with the procedures identified in Section 8 of these business rules.

b. EPA's Office of Information Collection (OIC) will:

i. Oversee the Agency process and operating procedures to ensure conformance with this standard.

ii. Provide guidance and technical assistance to program offices, their Regional and State counterparts, and the regulated community in meeting the requirements of this standard.

iii. Appoint an Permitting Information Data Standard Steward for the Permitting Information Data Standard.

iv. Report any conflicts to the CIO and resolve those conflicts based on CIO guidance.

c. EPA Program Senior Information Resources Management Officers (SIRMO) and Regional Information Resource Management (IRM) Branch Chiefs will:

i. Promote conformance with this standard.

ii. Ensure that new and reengineered systems are designed in conformance with the standard.

iii. Prepare applications from system managers for waivers from this standard and submit to the CIO.

d. Information System Managers will:

i. Ensure that any applicable data in their information systems conforms with this standard.

ii. Work collaboratively with the OIC on continuing standards development and implementation.

iii. Identify and bring forward potential conflicts between these business rules, the underlying standards, and information systems needs.

iv. Work with their SIRMO to prepare and submit for approval waiver requests when a standard cannot be implemented in their systems.

e. The Permitting Information Data Standard Steward, or an authorized delegate, will:

i. Work in collaboration with data stewards from Regions, States, Tribes, and National system managers to ensure the proper application of the standard.

ii. Review maintenance changes to the standard made by the EDSC for Agency implementation based on relevancy to Agency business needs.

iii. Make EDSC aware of any Agency or Partner concerns relating to the implementation of the standard.

f. Permitting Information Data Stewards will manage permitting data for EPA program systems.

7. IMPLEMENTATION

This section defines an unambiguous schedule for implementing the standard, including Agency support functions, in EPA National systems, other systems and documents.

a. Managers of Agency information systems that exchange permitting information will implement this standard no later than September 30, 2006. System managers and Regions will include State partners in the implementation planning process for the standard.

b. System managers will incorporate this standard into the development cycle of all new and existing Agency information systems where that standard applies (as defined in Section 3), even if the development cycle falls before the implementation date.

c. The implementation date for the Permitting Data Standard remains in effect for Agency systems until it is superseded by the implementation date of September 30, 2006 of this (*Permitting Information Data Standard*) standard.

8. PROVISION FOR WAIVER *This section defines the circumstances for which a waiver can be granted.*

OIC has developed a waiver process that identifies key elements of the waiver application process; specifies and defines waiver application procedures; and identifies the implications of non-conformance. The "Procedures for Requesting a Data Standard Conformance Waiver" are available on the EDR Web site (http://www.epa.gov/edr/waiverprocess.pdf).

9. MAINTENANCE *This section describes the process for reviewing the standard over time and determining the process and frequency for updates.*

a. The standard shall be reviewed annually by the EDSC. The Permitting Data Standard Steward shall make the EDSC aware of any Agency concerns relating to the standard.

b. Any changes to the standard and business rules will be regularly updated and published in the EDR by OIC.

10. REFERENCES *This section lists authorities (e.g., national and international standards or other publications) that were consulted during the development of the standard. It also includes URLs for Web sites that are used to support the standard.*

EPA's Environmental Data Registry (EDR), http://www.epa.gov/edr/

APPENDIX A

Standard Data Element Optionality
(Identifies Whether Data Elements Are Mandatory, Conditionally Mandatory, or Optional)

Mandatory Standard Data Elements			
Data Element Name		**Data Element Definition**	**Optionality**
1	Permit Name **XML Tag:** PermitName	The name assigned to the permit by a permit issuing/granting organization to identify a permit or permit application.	Conditionally Mandatory (required if data element 2 is not used)
2	Permit Number/Identifier **XML Tag:** PermitIdentifier	The alphanumeric identifier assigned to the permit by a permit issuing/granting organization to identify a permit or permit application.	Conditionally Mandatory (required if data element 1 is not used)
6	Permit Type **XML Tag:** PermitTypeName	The type of permit issued or granted to a regulated entity.	Mandatory
The following data elements are mandatory and incorporated by reference from the Facility Identification Data Standard. This information must be used to show the name and affiliation of the organization issuing or granting a permit. See the Facility Identification Data Standard for details about formatting.			
	Organization Formal Name **XML Tag:** OrganizationFormalName	The legal, formal name of an organization. (Note: the use of Organization Formal Name data element in this instance is not limited to the facility site as in the Facility Identification Data Standard but is to be used for the organization responsible for issues the permit.)	Mandatory
	Affiliation Type **XML Tag:** AffiliationTypeText	The name that describes the capacity or function that an organization or individual. (Note: the use of Affiliation Type in this instance is not limited to the affiliation within the facility but should be used to describe the role of the issuing organization of the permit.)	Mandatory

Optional Standard Data Elements			
Data Element Name		**Data Element Definition**	**Optionality**
3	Other Permit Number/Identifier **XML Tag**: OtherPermitIdentifier	Other alphanumeric identifiers used to identify a permit or permit application.	Optional

Optional Standard Data Elements			
Data Element Name		**Data Element Definition**	**Optionality**
4	Other Permit Number/Identifier Context **XML Tag:** OtherPermitIdentifierContextName	A brief description of the other permit number/identifier context	Optional
5	Program Name **XML Tag:** ProgramName	The name of the program/jurisdictional authority under which a permit is issued or granted.	Optional
7	Permitted Feature Identifier **XML Tag:** PermitFeatureIdentifier	The alphanumeric identifier or name assigned by a permit issuing organization to identify a permitted unit, feature, or process.	Optional
8	Permitted Feature Type **XML Tag:** PermittedFeatureTypeName	The type of permitted unit, feature, or process represented by an identifier.	Optional
9	Permitted Feature Operating Status **XML Tag:** PermittedFeatureOperatingStatusName	The name of the category describing the operating status of a permitted unit.	Optional
10	Permitted Feature Start Date **XML Tag:** PermittedFeatureStartDate	The calendar date that the operating status of a permitted feature takes effect.	Optional
11	Permitted Feature End Date **XML Tag:** PermittedFeatureEndDate	The calendar date that the operating status of a permitted feature is no longer in effect.	Optional
12	Permit/Permitted Feature Administrative or Legal Status **XML Tag:** PermittedFeatureAdministrativeLegalStatusName	The administrative or legal status of a permit or permitted feature.	Optional
Permit Administration			
13	Permit Application Completion Date **XML Tag:** PermitApplicationCompletionDate	The calendar date that a permit application was deemed to be complete.	Optional

Optional Standard Data Elements			
Data Element Name		**Data Element Definition**	**Optionality**
14	Permit Issue Date **XML Tag:** PermitIssueDate	The calendar date that a permit was issued.	Optional
15	Permit Effective Date **XML Tag:** PermitEffectiveDate	The calendar date that a permit becomes effective.	Optional
16	Permit Expiration Date **XML Tag:** PermitExpirationDate	The calendar date that a permit expires.	Optional
17	Permit Revocation Date **XML Tag:** PermitRevocationDate	The calendar date that a permit will be or was revoked.	Optional
18	Permit Termination Date **XML Tag:** PermitTerminationDate	The calendar date that a permit will be or was terminated or surrendered.	Optional
Facility/Feature Characteristic			
19	Facility/Feature Characteristic Name **XML Tag:** FacilityFeatureCharacteristicName	The descriptive name of the item that the facility/feature is designed to or actually accommodates, or produces.	Optional
20	Facility/Feature Characteristic Text **XML Tag:** FacilityFeatureCharacteristicText	The description of the capability or function that the facility/feature is designed to or actually accommodates, or produces.	Optional
21	Facility/Feature Characteristic Measure Name **XML Tag:** FacilityFeatureCharacteristicMeasureName	The name that describes what the feature characteristic represents.	Optional
22	Facility/Feature Characteristic Measure Value **XML Tag:** FacilityFeatureCharacteristicMeasure	The numeric value that quantifies the feature characteristic.	Optional
23	Facility/Feature Characteristic Measure Unit of Measure Name **XML Tag:** FacilityFeatureCharacteri	The name of the determinate quantity for a standard of measurement used for measuring the dimension, capacity, or amount of the feature characteristic.	Optional

Optional Standard Data Elements			
Data Element Name		**Data Element Definition**	**Optionality**
	sticMeasureUnitMeasure Name		
24	Facility/Feature Characteristic Statistical Basis Name **XML Tag:** FacilityFeatureCharacteristicStatisticalBasisName	The name of the statistical basis describing how the feature characteristic measure value was derived.	Optional
Control Methodology			
25	Methodology Type **XML Tag:** MethodologyTypeText	The type of process and/or tool designed or used to manage storage, disposal, treatment, and other handling protocols.	Optional
26	Methodology Description **XML Tag:** MethodologyDescription Text	The text that describes the process and/or tools that manage storage, disposal, treatment, and other handling protocols designed for and/or used.	Optional
Permit Condition			
27	Condition Identifier **XML Tag:** ConditionIdentifier	The reference to a section of a permit that identifies the condition within a specific permit.	Optional
28	Basis of Condition **XML Tag:** BasisConditionText	The regulatory or technical framework used to define the requirement.	Optional
29	Condition Status Name **XML Tag:** ConditionStatusName	The name of the category describing the status of the condition.	Optional
30	Condition Start Date **XML Tag:** ConditionStartDate	The date on which a condition begins being in effect.	Optional
31	Condition End Date **XML Tag:** ConditionEndDate	The date on which a condition ends being in effect.	Optional
32	Text Condition **XML Tag:** TextConditionText	The language that explains the requirement placed on the responsible party.	Optional
33	Condition Trigger Text **XML Tag:** ConditionTriggerText	The text that describes an event or circumstance that activates a requirement.	Optional
34	Numeric Condition Quantity **XML Tag:** NumericConditionQuantit	The numeric value that represents the limitation being placed on a parameter for a feature.	Optional

Optional Standard Data Elements			
Data Element Name		**Data Element Definition**	**Optionality**
	y		
35	Numeric Condition Unit of Measure Name **XML Tag:** NumericConditionUnitMeasureName	The name of the determinate quantity for a standard of measurement used for measuring dimension, capacity, or amount of the numeric condition.	Optional
36	Numeric Condition Statistical Basis Name **XML Tag:** NumericConditionStatisticalBasisName	The name of the statistical basis specified in a limit/numeric condition.	Optional
37	Numeric Condition Qualifier **XML Tag:** NumericConditionQualifier	The mathematical operator used to qualify the limit.	Optional
Reporting Condition			
38	Report Recipient Name **XML Tag:** ReportRecipientName	The name of the entity or entities directed by the permit or regulations to receive the report.	Optional
39	Reporting Frequency **XML Tag:** ReportingFrequencyText	The frequency with which the report is required to be submitted to the report recipient.	Optional
40	Report Due Date **XML Tag:** ReportDueDate	The date that the report is due to the report recipient.	Optional
41	Report Received Date **XML Tag:** ReportReceivedDate	The actual date the report was received by the report recipient.	Optional
42	Report Identifier **XML Tag:** ReportIdentifier	The unique tracking number or name assigned by a system or program that identifies the report.	Optional
Monitoring Condition			
43	Monitoring Site Description **XML Tag:** MonitoringSiteDescription	Text that describes the monitoring site with respect to a feature.	Optional
44	Monitoring Frequency **XML Tag:** MonitoringFrequencyText	The required frequency with which monitoring is to be conducted at the site or location.	Optional

APPENDIX B

Standard Data Elements for Permitting Information

Standard Data Elements for Permitting Information (Final)

The Permitting Information Data Standard provides a comprehensive set of data elements for identification and tracking data that pertains to portions of most programs that have a permitting process or that are interested in permit related information. This State/U.S. EPA data standard was approved by the Environmental Data Standards Council on July 29, 2003 and approved by the U.S. EPA on November 12, 2003.

The Environmental Data Standards Council (EDSC) chartered a Permitting Data Standard Action Team late in 2000 to identify and define the major areas of permitting information, and to develop a data standard that could be used for the exchange of permitting data among environmental agencies and other entities. This Action Team produced a standard that consisted of identification and tracking data believed to be universally applicable to most programs that have a permitting process or that are interested in permit related information. This standard contained the following groups of data elements or "data blocks," Permit Identification, Permitted Feature, Permit Administration, and Permit Contact. The EDSC approved that standard in December 2001.

It was the intent of the original Action Team to create a permitting standard that did not contain more detailed program-specific information, and that if the need arose, standardization of program-specific data would be accomplished via the development of program-specific standards or through the development of Data Exchange Templates between information exchange partners. The need subsequently arose and prior to developing program-specific permitting data standards, the EDSC charged a new action team (Permitting II) in September 2002 with the task of broadening the existing Permitting Data Standard to include any additional information that is useful to multiple programs in order to avoid capturing similar information in more than one standard.

The Permitting II Action Team has identified additional areas of permit related information that it believes to be of common interest to multiple programs. These additional areas include the data blocks, Facility/Feature Characteristics, Permit Condition, Reporting Condition, Monitoring Condition, and Control Methodology. These data blocks and a few additional data elements have been added to the original Permitting Data Standard to form the Permitting Information Data Standard that follows.

As with the previous standard, the Permitting Information Data Standard has a number of associations with existing data standards. Environmental business areas are typically inter-related (e.g., facilities have permits, agencies take enforcement actions against organizations who own facilities and have permits) and in order to express these relationships, data elements and in some cases data blocks from other standards will need to be incorporated to complete an exchange of information for a particular area. Rather than reinvent or duplicate the content of

existing standards, the Team has identified cases where portions of other data standards should be used to complete associations among data elements within data blocks.

The original Permitting Data Standard contained a definition of "permit." The Permitting II Action Team identified some aspects of the original definition that it believes are distinct and should not be included within a single definition. A revised definition follows. A "permit" is an authorization, license, or control document used to implement the requirements of a regulation. A permit may be issued to an individual or an organization and typically specifies pollutant limits or operating procedures. A permit may be uniquely identified by the combination of four data elements: 1) Permit Name or Permit Number/Identifier, 2) Permit Type, 3) Organization Formal Name (for the issuing organization name incorporated by reference from the Facility Identification Data Standard); and 4) Affiliation Type (for the issuing organization role incorporated by reference from the Facility Identification Data Standard).

The following table contains the data groups and data elements that comprise the final Permitting Information Data Standard and does not represent a mandatory list of required elements for data exchange between EPA and its partners.

Permitting Information Data Standard			
Data Element Name	**Data Element Definition**	**Notes**	**Format**
Permit Identification *Definition*: Identification information about the permit and the organization responsible for issuing or granting the permit. *Relationships:* A permit may be related to a facility (Facility Identification Data Standard). A permittee may be associated with Facility Site Name, Facility Owner/Operator (a permissible value for Affiliation Type), Facility Registry Identifier, and State Facility Identifier. A permit name may be associated with Environmental Interest Type. A facility may have one or more permits. A permit may address one or more regulated substances (Chemical Identification and/or Biological Taxonomy Data Standards). A permit may be related to another permit (e.g., an individual permitted facility may be related to an overarching General Permit). A permit may have one or more permitted features or processes. A permit may be associated with one or more data elements of administrative information (multiple dates may create history). A permit may be associated with one or more permitting contacts. A number of contact related data elements exist in the Contact Information Data Standard and Facility Identification Data Standard which should be used as needed to identify entities and their affiliation such as; - Permittee - Organization Formal Name			

Permitting Information Data Standard				
Data Element Name		**Data Element Definition**	**Notes**	**Format**
- Affiliation Type - Permitted Entity Contact Full Name - Permitted Entity Contact information (e.g., mailing address, phone number, etc.,)				
1	Permit Name **XML Tag:** PermitName	The name assigned to the permit by a permit issuing/granting organization to identify a permit or permit application.	(e.g., Dupont Chamberworks RCRA Treatment Permit). This data element may be associated to Environmental Interest Type in the USEPA Facility Registry System.	Alphanumeric (120)
2	Permit Number/Identifier **XML Tag:** PermitIdentifier	The alphanumeric identifier assigned to the permit by a permit issuing/granting organization to identify a permit or permit application.	(e.g., 51432)	Alphanumeric (30)
3	Other Permit Number/Identifier **XML Tag**: OtherPermitIdentifier	Other alphanumeric identifiers used to identify a permit or permit application.		Alphanumeric (30)
4	Other Permit Number/Identifier Context **XML Tag:** OtherPermitIdentifierContextName	A brief description of the other permit number/identifier context	(e.g., authorization ID used by PA DEP for tracking)	Alphanumeric (100)
5	Program Name **XML Tag:** ProgramName	The name of the program/jurisdictional authority under which a permit is issued or granted.	The following are example values: Air Quality Water Quality/NPDES Hazardous Waste/RCRA Underground Injection Control (UIC) Solid Waste Mining	Alphanumeric (40)
6	Permit Type **XML Tag:** PermitTypeName	The type of permit issued or granted to a regulated entity.	The following is a representative sample of permissible values for Federal and State	Alphanumeric (120)

Permitting Information Data Standard				
Data Element Name		**Data Element Definition**	**Notes**	**Format**
			environmental permit programs. Permissible values are specific to program name. WATER-NPDES Individual Permit WATER-NPDES Master General Permit WATER-NPDES General Permit Covered Facility WATER-Non-NPDES Individual Discharge Permit WATER-Non-NPDES Master General Permit WATER-Non-NPDES General Permit Covered Facility WATER-Industrial User (Pretreatment) Permit WATER-Associated Permit Record RCRA-Operating RCRA-Post Closure RCRA Corrective Action AIR-General AIR-Title IV (acid rain) AIR-Title V AIR-Synthetic Minor AIR-Minor UIC-Construction UIC-Operation SOLID WASTE-Municipal Land Fill SOLID WASTE-Industrial Land Fill SOLID WASTE-Transfer Station SOLID WASTE-Land Application MINING-Coal Mining Surface Mining Permit	

Permitting Information Data Standard				
Data Element Name		**Data Element Definition**	**Notes**	**Format**
			MINING-Coal Mining Operators License MINING-Industrial Minerals Mining Activity Permit	
Permitted Feature Definition: Information about the permitted feature of a permit. A permitted feature is a unit, physical structure, feature, or process described in a permit. *Relationships*: A permitted feature may be associated with one or more data elements of administrative information. A permitted feature identifier may be associated with one of more permitted feature types. A permitted feature may address one or more regulated substances (see Chemical Identification and/or Biological Taxonomy Data Standards for proper reference).				
7	Permitted Feature Identifier **XML Tag:** PermitFeatureIdentifier	The alphanumeric identifier or name assigned by a permit issuing organization to identify a permitted unit, feature, or process.	(e.g., Smith Furnace AV). This data element may be used multiple times to describe multiple features. Each feature identifier/ name should be associated to at least one feature type (See item #12).	Alphanumeric (40)
8	Permitted Feature Type **XML Tag:** PermittedFeatureTypeName	The type of permitted unit, feature, or process represented by an identifier.	Example values include: External outfall Internal outfall Lagoon Land application site Incinerator Stack Pumping station Monitoring well Perc pond Landfill Surface impoundment Waste pile Tank Container Boiler and industrial furnace Corrective Action Management Units Solid Waste Management Units	Alphanumeric (40)

Permitting Information Data Standard				
Data Element Name		**Data Element Definition**	**Notes**	**Format**
9	Permitted Feature Operating Status **XML Tag:** PermittedFeatureOperatingStatusName	The name of the category describing the operating status of a permitted unit.	Example values include: Proposed Under construction Constructed, but not yet active Active/Operating Inactive Clean/Closed Closed in place Not constructed Operating Operating, but not discharging Not operating Seasonal shut down Temporary shut down	Alphanumeric (40)
10	Permitted Feature Start Date **XML Tag:** PermittedFeatureStartDate	The calendar date that the operating status of a permitted feature takes effect.		D(8) YYYYMMDD
11	Permitted Feature End Date **XML Tag:** PermittedFeatureEndDate	The calendar date that the operating status of a permitted feature is no longer in effect.		D(8) YYYYMMDD
Permit Administration *Definition*: Administrative information about the permit.				
12	Permit/Permitted Feature Administrative or Legal Status **XML Tag:** PermittedFeatureAdministrativeLegalStatusName	The administrative or legal status of a permit or permitted feature.	Example values include: Pending Appealed Denied Active Inactive Expired Extended Withdrawn Revoked Not required	Alphanumeric (20)
13	Permit Application Completion Date	The calendar date that a permit application was		D(8) YYYYMMDD

Permitting Information Data Standard				
Data Element Name		**Data Element Definition**	**Notes**	**Format**
	XML Tag: PermitApplicationCompletionDate	deemed to be complete.		
14	Permit Issue Date **XML Tag:** PermitIssueDate	The calendar date that a permit was issued.		D(8) YYYYMMDD
15	Permit Effective Date **XML Tag:** PermitEffectiveDate	The calendar date that a permit becomes effective.		D(8) YYYYMMDD
16	Permit Expiration Date **XML Tag:** PermitExpirationDate	The calendar date that a permit expires.		D(8) YYYYMMDD
17	Permit Revocation Date **XML Tag:** PermitRevocationDate	The calendar date that a permit will be or was revoked.		D(8) YYYYMMDD
18	Permit Termination Date **XML Tag:** PermitTerminationDate	The calendar date that a permit will be or was terminated or surrendered.		D(8) YYYYMMDD
Facility/Feature Characteristic *Definition*: The description of the size, scope, and complexity of a specific feature or facility. *Relationships*: A facility/feature characteristic may be associated with a Permit Number/Identifier or a Permitted Feature Identifier. *Note*: The data elements in this group can be used at the facility level as well as the feature level. Collectively these data elements can be used to describe the quantity that a permitted facility or feature (feature may be a unit or process) is designed to, permitted to, or can actually manage or produce. It also can characterize the flow, production amount, or other specifications about the facility's or feature's designed or actual characteristics or functions.				
19	Facility/Feature Characteristic Name **XML Tag:** FacilityFeatureCharacteristicName	The descriptive name of the item that the facility/feature is designed to or actually accommodates, or produces.	Example values include: Sewage Pollutant Chemical Biological Product Nylon	Alphanumeric (40)

Permitting Information Data Standard				
Data Element Name		**Data Element Definition**	**Notes**	**Format**
			Heat Input	
20	Facility/Feature Characteristic Text **XML Tag:** FacilityFeatureCharacteristicText	The description of the capability or function that the facility/feature is designed to or actually accommodates, or produces.	(e.g., removal of pollutants from municipal wastewater)	Alphanumeric (120)
21	Facility/Feature Characteristic Measure Name **XML Tag:** FacilityFeatureCharacteristicMeasureName	The name that describes what the feature characteristic represents.	Example values include: Potential Flow Actual Flow Design Capacity Production Amount Actual Capacity	Alphanumeric (40)
22	Facility/Feature Characteristic Measure Value **XML Tag:** FacilityFeatureCharacteristicMeasure	The numeric value that quantifies the feature characteristic.	(e.g., the number representing the quantity, rate or any other measurement type)	Numeric (8)
23	Facility/Feature Characteristic Measure Unit of Measure Name **XML Tag:** FacilityFeatureCharacteristicMeasureUnitMeasureName	The name of the determinate quantity for a standard of measurement used for measuring the dimension, capacity, or amount of the feature characteristic.	Example values include: - ∶g/L -Micrograms per liter - pCi/L - Pico-Curies per liter - CFU/ml - Colony forming units per milliliter	Alphanumeric (10)
24	Facility/Feature Characteristic Statistical Basis Name **XML Tag:** FacilityFeatureCharacteristicStatisticalBasisName	The name of the statistical basis describing how the feature characteristic measure value was derived.	Example values include: Maximum Average	Alphanumeric (30)
Control Methodology *Definition*: A process and/or tools to manage storage, disposal, treatment, and other handling protocols designed for and/or used. *Relationships*: A control methodology may be related to one or more facilities, features, or entities.				
25	Methodology Type	The type of process	Example values include:	Alphanumeric

Permitting Information Data Standard				
Data Element Name		**Data Element Definition**	**Notes**	**Format**
	XML Tag: MethodologyTypeText	and/or tool designed or used to manage storage, disposal, treatment, and other handling protocols.	Incineration Disposal	(30)
26	Methodology Description **XML Tag:** MethodologyDescriptionText	The text that describes the process and/or tools that manage storage, disposal, treatment, and other handling protocols designed for and/or used.	This field allows the user to provide extensive detail to describe the methodology used beyond that provided by Methodology Type (e.g., equipment manufacturer, make, model, location description, etc.,)	Alphanumeric (120)
Permit Condition *Definition*: The requirement applied to the facility, entity, or feature. Conditions could be limit/numeric, schedule/date, or descriptive requirements. *Relationships*: A permit condition is associated with a Permit Number/Identifier. Multiple permit conditions may be associated with a permit. A permit condition may be associated with one or more facilities, entities, or features. Multiple permit conditions may be placed on a facility, entity, or feature. *Note*: Reference the Reporting Water Quality Results for Chemical and Microbiological Analytes Data Standard. For chemicals, biological organisms, physical parameters, or other entities, the following items may define the object of the condition: Analyte Name, Analyte Name Context Name, Analyte Identifier/Number, and Analyte Identifier Context Name.				
27	Condition Identifier **XML Tag:** ConditionIdentifier	The reference to a section of a permit that identifies the condition within a specific permit.		Alphanumeric (20)
28	Basis of Condition **XML Tag:** BasisConditionText	The regulatory or technical framework used to define the requirement.	(e.g., statute name, citation, water-quality guidelines, etc.)	Alphanumeric (100)
29	Condition Status Name **XML Tag:** ConditionStatusName	The name of the category describing the status of the condition.	Example values include: Initial Modified Revoked	Alphanumeric (20)
30	Condition Start Date **XML Tag:** ConditionStartDate	The date on which a condition begins being in effect.		D(8) YYYYMMDD
31	Condition End Date	The date on which a		D(8)

Permitting Information Data Standard				
Data Element Name		**Data Element Definition**	**Notes**	**Format**
	XML Tag: ConditionEndDate	condition ends being in effect.		YYYYMMDD
32	Text Condition **XML Tag:** TextConditionText	The language that explains the requirement placed on the responsible party.	(e.g., "Ensure fence surrounds storm water pond.")	Alphanumeric (120)
33	Condition Trigger Text **XML Tag:** ConditionTriggerText	The text that describes an event or circumstance that activates a requirement.	(e.g., seasonal limit, ozone exceedance)	Alphanumeric (120)
34	Numeric Condition Quantity **XML Tag:** NumericConditionQuantity	The numeric value that represents the limitation being placed on a parameter for a feature.		Numeric (8)
35	Numeric Condition Unit of Measure Name **XML Tag:** NumericConditionUnitMeasureName	The name of the determinate quantity for a standard of measurement used for measuring dimension, capacity, or amount of the numeric condition.	Example values include: - ∶g/L -Micrograms per liter - pCi/L - Pico-Curies per liter - CFU/ml - Colony forming units per milliliter	Alphanumeric (10)
36	Numeric Condition Statistical Basis Name **XML Tag:** NumericConditionStatisticalBasisName	The name of the statistical basis specified in a limit/numeric condition.	Example values include: Average Maximum	Alphanumeric (30)
37	Numeric Condition Qualifier **XML Tag:** NumericConditionQualifier	The mathematical operator used to qualify the limit.	Example values include: < > =	Alphanumeric (1)
Reporting Condition *Definition*: Administrative information associated with submission or reporting requirements. *Relationships*: A reporting condition may be associated with one or more permit conditions.				
38	Report Recipient Name **XML Tag:** ReportRecipientNam	The name of the entity or entities directed by the permit or regulations to receive the report.		Alphanumeric (60)

Permitting Information Data Standard				
Data Element Name		**Data Element Definition**	**Notes**	**Format**
	e			
39	Reporting Frequency **XML Tag:** ReportingFrequency Text	The frequency with which the report is required to be submitted to the report recipient.	Example values include: Annually Quarterly Monthly Daily	Alphanumeric (30)
40	Report Due Date **XML Tag:** ReportDueDate	The date that the report is due to the report recipient.		D(8) YYYYMMDD
41	Report Received Date **XML Tag:**	The actual date the report was received by the report recipient.		D(8) YYYYMMDD
42	Report Identifier **XML Tag:** ReportIdentifier	The unique tracking number or name assigned by a system or program that identifies the report.	Example values include: 4th Quarterly Report 20030714A	Alphanumeric (30)

Monitoring Condition
Definition: Administrative information that describes the monitoring requirements.
Relationships:
A monitoring condition may be associated with one or more permit conditions.
Note: This data block is intended to capture monitoring activities required by a permit such as a description of the monitoring site, its location, monitoring frequency, the method used to collect a sample, or the reference number of the analytical method used. Where they exist, data elements from other final data standards are referenced for use as needed.

The following data elements from the Latitude/Longitude Data Standard may be used to identify the specific geographical representation of the monitoring location (e.g., point, line, or area): Latitude Measure, Longitude Measure, Horizontal Accuracy Measure, Source Map Scale Number, Horizontal Collection Method Text or Code, Reference Point Text or Code, Horizontal Reference Datum Name or Code.

The standard data element Sample Collection Method Text from the Reporting Water Quality Results for Chemical and Microbiological Analytes Data Standard may be used to identify the method used to collect the sample as prescribed by a permit.

The standard data element Analytical Method Number from the Reporting Water Quality Results for Chemical and Microbiological Analytes Data Standard may be used to identify the reference method number of the analytical method used.

Permitting Information Data Standard				
Data Element Name		**Data Element Definition**	**Notes**	**Format**
43	Monitoring Site Description **XML Tag:** MonitoringSiteDescription	Text that describes the monitoring site with respect to a feature.	(e.g., stack 12, scrubber A2, manhole, downstream from discharge pipe)	Alphanumeric (120)
44	Monitoring Frequency **XML Tag:** MonitoringFequency Text	The required frequency with which monitoring is to be conducted at the site or location.	Example values include: Daily Hourly Monthly Quarterly Semi-annually Yearly Bi-annual Tri-annual No reporting requirements	Alphanumeric (25)